

Notice of Allowability

Application No.

10/764,515

Applicant(s)

LEE, CHUN-LIANG

Examiner

David E. Martinez

Art Unit

2181

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/6/06.
2. ☒ The allowed claim(s) is/are 11.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alun L. Palmer (Reg. No. 47,838) on 2/1/07 to overcome a 112-2nd paragraph rejection to the claim by further clarifying the claim, and to correct minor grammar errors.

The application has been amended as follows:

In claim 11 lines 1-2, the term "A converter having a status indicator, the converter converting an RS232 connector to an RJ45 connector, the RS232 connector having signals of" has been deleted and replaced by --- An RJ45 converter for an RS232 connector, having a status indicator, the RS232 connector having signals of ---.

In claim 11, line 4, the term "the converter comprising:" has been deleted and replaced by --- the RJ45 converter comprising: ---.

In claim 11, line 13, the term "switch, when" has been deleted and replaced by --- switch, wherein when ---.

In claim 11, line 15, the word "having" has been deleted and replaced with --- outputs ---, and the word "connecting" has been deleted.

In claim 11, line 17, the term "switch, when" has been deleted and replaced by --- switch, wherein when ---.

In claim 11, line 19, the word "having" has been deleted and replaced with --- outputs ---, and the word "connecting" has been deleted.

Allowable Subject Matter

Claim 11 is allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

With regards to claim 11, the prior art alone or in combination fail to teach or fairly suggest at least:

a driving unit, having

a first metal-oxide semiconductor (MOS) switch, wherein when the gate electrode of the first MOS switch receives a high voltage signal, the first MOS switch outputs a high voltage signal to the P pole of the second LED; and a second MOS switch, wherein when the gate electrode of the second MOS switch receives a high voltage signal, the second MOS switch outputs a high voltage signal to the P pole of the second LED; in combination with the rest of the elements of the claim.

The following is a discussion of prior art of record which fails to teach all the claimed limitations of the instant application:

US Patent Application Publication no. US 20020049877A1 to Lin teaches in Figure 5, an RJ45 adapter for an RS232 connector. However Lin fails to teach details of a driving unit nor the details of an RXD, CTS, DSR, RTS, and DTR signals within the RS 232 connector part, and also lacks a display unit comprised of LEDs.

US Patent 6,266,721 to Sheikh et al. teaches in Figure 3, element 104 being an interface board which acts as a RS232 to RJ45 converter. However, Sheikh et al. fails to teach the details of a driving unit nor the details of an RXD, CTS, DSR, RTS, and DTR signals within the RS 232 connector part, and also lacks a display unit comprised of LEDs.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the

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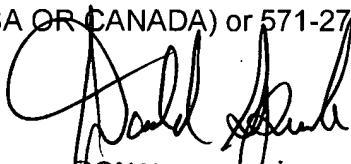
issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. Martinez whose telephone number is (571) 272-4152. The examiner can normally be reached on 8:30-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on 571-272-4201. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DEM


DONALD SPARKS
SUPERVISORY PATENT EXAMINER